

INJECTION MOLDING NOZZLE AND TIP

ABSTRACT OF THE DISCLOSURE

The present invention provides an injection molding nozzle having a nozzle tip. The nozzle tip includes a body portion and a tip portion that extends from a forward end of the body portion. The tip and/or body portions may include at least one planar surface area on an outer surface thereof. The tip and/or body portions may also be provided with a convex and/or concave outer surface area. The geometry of the nozzle tip is such that it maximizes an outer surface area in order to increase the nozzle tip's heat conductance.